DEPARTMENT OF TECHNICAL EDUCATION DIPLOMA IN LIBRARY SCIENCE AND INFORMATION MANAGEMENT

FIRST SEMESTER

Course	Title:	Basics	of	Information	&	Course Code: 15LB13T
Commun	ication 7	Technolog	у			
Type of course: Theory						Total Contact Hours: 52
CIE-25 I	MARKS					SEE-100 MARKS

COURSE OBJECTIVES:

- 1. Use of personal computer system for various tasks in libraries.
- Recognise the significance of computers and networks in the creation, Collection, consolidation and communication of information
- 3. Learn how network operates (LAN, WAN, MAN)
- 4. Learn how computer process information
- 5. Know the essential requirements in any library software's and the general Features of library software.

UNIT NOS

CONTENTS

NO. OF HRS.

1.	Introduction to Computers	10
2.	Computer Hardware	10
3.	Computer Software	10
4.	Computer Networks	08
5.	Introduction to ICT	06
6.	Application of computers in library activities and	
	Services	08
	Test /Seminar/Guest Lecture	
	DETAILS OF CONTENT	
UNIT	1	
	INTRODUCTION TO COMPUTERS	10
	Evolution and generation of computers, Elements of computer System, Types of Computers, Role of Computers in Data processing Cycle. Trends and issues in the development of Computers.	
UNIT	2 COMPUTER HARDWARE	10
	Hardware: Introduction, Input and Output devices, Processer, Memory	

Storage Devices, Development in hardware components.

UNIT 3 COMPUTER SOFTWARE

Software: Introduction, Kinds, programming Languages, Viruses and Remedies, Development in Software components.

UNIT 4 COMPUTER NETWORKS

Networks: Meaning and Definition, Components of Networks, Types And Topologies of Networks.

UNIT 5

INTRODUCTION TO ICT

ICT: Meaning, Definition, Impact of ICT on Society, Library and Information Services, Role of professionals in ICT.

UNIT 6

APPLICATION OF COMPUTERS IN LIBRARY ACTIVITIES AND SERVICES

Library Software and their features: Koha, E-Granthalaya, SOUL LIBSOFT, Requirement of Library Software.

COURSE OUTCOME: By the end of this programme the student will know

- 1. Basic concept of Computer
- 2. Computer Hardware
- 3. Computer Software
- 4. Computer networks
- 5. Introduction to ICT
- 6. Application of computers for library activities and services

08

08

06

MAPPING

1. Course outcomes with program outcomes and specification table with hours and distribution of marks with cognitive level

Course outcomes	Mapped PO	Teaching	Distribution of Th	Total		
	Mapped I O	Hours	R	U	Α	marks
1	1,2,5,7,8	10	10	5	10	25
2	1,2,3,4,5,8	10	10	5	5	20
3	1,2,3,4,5,8	10	10	10	5	25
4	1,3,4,5,8,7,9,10	08	10	5	10	25
5	1,2,3,4,5,8,9	06	10	5	10	25
6	1,2,3,4,5, 8,10	08	10	10	5	25

R=Remember; U=Understanding A=Application

2. Course with program outcomes Level mapping

Name of the	Program Outcomes									
course	1	2	3	4	5	6	7	8	9	10
Basics of Information Communication Technology	3	3	3	3	3	1	1	3	1	1

Level 3- Highly Addressed, Level 2-Moderately Addressed, Level 1-Low Addressed.

Method is to relate the level of PO with the number of hours devoted to the COs which address the given PO. If \geq 40% of classroom sessions addressing a particular PO, it is considered that PO is addressed at Level 3 If 25 to 40% of classroom sessions addressing a particular PO, it is considered that PO is addressed at Level 2 If 5 to 25% of classroom sessions addressing a particular PO, it is considered that PO is addressed at Level 1 If < 5% of classroom sessions addressing a particular PO, it is considered that PO is considered not-addressed.

	What		То	Frequency	Max	Marks	Evidence	Course
	vv nat		Whom	riequency	Theory	Practical's	Collected	Outcomes
DIRECT ASSESSMENT	CIE- Continuous Internal Assessment	I A Tests		Theory: Three IA tests for theory (Average marks of three IA tests are considered)	20		Blue Books	1 to 6
		Class room Assign ments	Students	Class room Assignments TOTAL	05		Log of activity	1
	SEE- Semester End Examination	End Exam		End Of the Course	100		Answer Scripts	ALL CO's
INDIRECT ASSESSMENT METHODS	Student Feedback on course End of Course Survey			Middle Of The Course	Feed Back Forms		1	
			Students	End Of The Course	Question	inaire		

COURSE ASSESSMENT AND EVALUATION

Note: I.A. test shall be conducted for 20 marks. Average marks of three tests shall be rounded off to the next higher digit.

Note to IA verifier: The following documents to be verified by CIE verifier at the end of semester

- 1. Blue books (20 marks)
- 2. Student suggested activities report for 5 marks
- 3. Student feedback on courses regarding Effectiveness of Delivery of instructions & Assessment Methods

Question for CIE and SEE will be designed to evaluate the various educational components, such as:-

Remembering and understanding	:	40% weightage
Applying the knowledge acquired from the course	:	35% weightage
Analysis	:	25% weightage

		RUBRICS FO	R ACTIVITY (5 marks)		
	Unsatisfactory	Developing	Satisfactory	Good	Exemplary	Stude
Dimension	1	2	3	4	5	nt
						Score
Collection	Does not	Collects very	Collect much	Collects	Collects a	Ex:
of data	collect any	limited	information;	some basic	great deal of	
	information	information;	but very	information;	information;	4
	relating to the	some relate	limited relate	most refer	all refer to	
	topic	to the topic	to the topic	to the topic	the topic	
Fulfil	Does not	Performs	Performs very	Performs	Performs all	5
team's	perform any	very little	little duties	nearly all	duties of	
roles &	duties	duties but		duties	assigned	
duties	assigned to	unreliable			team roles	
	the team role					
Shares	Always relies	Rarely does	Usually does	Normally	Always	3
work	on others to	the assigned	the assigned	does the	does the	
equally	do the work	work; often	work; rarely	assigned	assigned	
		needs	needs	work	work	
		reminding	reminding		without	
					having to be	
					reminded	
Listen to	Is always	Usually does	Talks good;	Listens, but	Listens and	2
other	talking; never	most of the	but never	sometimes	speaks a fair	
Team	allows anyone	talking;	show interest	talk too	amount	
mates	else to speak	rarely allows	in listening	much		
		others to	others			
		speak				
	Ave	rage / Total ma	rks=(4+5+3+2)/4	4=14/4=3.5=4		

MODEL OF RUBRICS/CRITERIA FOR ASSESSING STUDENT ACTIVITY

Note: This is only an example. Appropriate rubrics/criteria may be devised by the concerned faculty (Course Coordinator) for assessing the given activity.

FORMAT OF IA TEST QUESTION PAPER (CIE)

Test/Date and Time		Semester/year	Code	Max Marks			
Ex: I test/6 th weak		I SEM Basics of Inform Communication T			20		
of sem 10	-11 Am	Year: II	Course code: 15LB-13T				
Name of Co CO's:	ourse coord	linator :		t	Jnits:	_	
Question no		Question				CO	РО
1							
2							
3							
4							

Note: Internal choice may be given in each CO at the same cognitive level (CL).

REFERENCES:

- 1. Kent. 10 Minutes guide to the Internet. PHI New Delhi.
- 2. Sehgal. Information Technology for Librarians. Ess Ess New Delhi.
- 3. Raman Nair. R. Internet for Information Management Services.
- 4. Satyanarayana.R. Information Technology and its Facets. New Delhi.
- 5. Basandra, S.K. computers Today. New Delhi: Golgotia, 2002.
- A librarian guide to Internet:Searching and Evaluating Information, Jeanne Froidevaux muller Chandas Publishing, 2005,221pages,ISBN 1843340569, Rs 995

MODEL QUESTION PAPER

Time: 3 Hours.

Max. Marks: 100.

Instructions: 1. Question paper consists of two parts.

- 2. Answer any SIX questions from a set of 9 questions in the PART A.
- 3. Answer any SEVEN questions from a set of 10 questions in the PART B.

PART A

- 1. Define ICT. List the components of I C T.
- 2. Define computer. List the Basic components of computers.
- 3. Define Hardware. Write the meaning of the term computer processor.
- 4. What is Storage Devices.
- 5. Write the meaning of the term A L U.
- 6. Define Software. List the different kinds of Software.
- 7. Define Networking. What is ROUTER and MODEM.
- 8. Write a short note on Virus and Antivirus.
- 9. What are Miniature Storage Devices.

PART B.

- 1. Explain the impact of ICT on Library and Information service activities.
- 2. Write a note on generations of computers/ Evolution with examples.
- 3. Explain any two Primary and Secondary Storage Devices.
- 4. Explain in brief the following terms: Keyboard, Plotter, RAM, Speaker.

- 5. Explain the generations of Programming Language.
- 6. Discuss the trends in computers Hardware and Software.
- 7. Explain the general features of Library Software.
- 8. List the Topologies of Network. Explain any three of them.
- 9. Write a note on Programming Languages.
- 10. Explain the trends in developments of components of computers.

MODEL QUESTION BANK

PART A

- 1. Write the meaning and definition of the term I C T.
- 2. List the components of I C T.
- 3. Define computer. List the basic components of computers.
- 4. What are the different types of computers. Mention any two types.
- 5. What is Hardware.
- 6. List the various Input and Output Devices.
- 7. Explain the following in brief. Keyboard and Plotter.
- 8. Explain the following in brief. RAM and SPEAKER.
- 9. Define Software. List the kinds of Software.
- 10. Write in brief the developments in software components.
- 11. Define Networking.
- 12. What is ROUTER.
- 13. What is MODEM.
- 14. List the Topologies of Networking.
- 15. What is WWW.
- 16. What is Internet.
- 17. What is Library software list any 4 Library software.

PART B

- 1. Write in detail the impact of Information communication Technology on the society.
- 2. Discuss the role of Professionals in I C T .
- 3. Explain in detail the generations of computers with examples.
- 4. Explains in details the role of computers in Data processing Cycle.
- 5. Discuss the trends and issues in the developments of computer.
- 6. Explain the role of Processor, and memory storage devices.
- 7. Discuss in detail the development in Hardware components of computers.
- 8. Explain in brief the different kinds of software.

- 9. Discuss the problem of Viruses and recommended remedies available.
- 10. Explain the generations of Programming Languages.
- 11. List the Network Topologies. Explain with the help of diagram any three of them.
- 12. Explain the meaning of Networking. What re ROUTER and MODEM.
- 13. Define library software. Explain the features of Library Software
- 14. Discuss in detail the requirements of library software.